

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/502,085B
Source: PG
Date Processed by STIC: 4/19/06

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/502,085B

DATE: 04/19/2006

TIME: 12:39:41

Input Set : A:\updated sequence listing.txt
 Output Set: N:\CRF4\04192006\J502085B.raw

3 <110> APPLICANT: BIOMIRA INC. et al.
 5 <120> TITLE OF INVENTION: IMMUNOSTIMULATORY, COVALENTLY LIPIDATED OIGONUCLEOTIDES
 7 <130> FILE REFERENCE: JIANG=4A PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/502,085B
 C--> 10 <141> CURRENT FILING DATE: 2004-07-22
 12 <150> PRIOR APPLICATION NUMBER: 60/353,195
 13 <151> PRIOR FILING DATE: 2002-02-04
 15 <160> NUMBER OF SEQ ID NOS: 12
 17 <170> SOFTWARE: PatentIn version 3.3
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 10
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Synthesizable sequence, corresponds to 128H described in
 Cheng et al.
 26 USP 5,646,126
 28 <400> SEQUENCE: 1
 29 cacacgtgtg 10
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 25
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Synthesized peptide shown in Fig. 17 BP1-148
 40 <400> SEQUENCE: 2
 42 Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg
 43 1 5 10 15
 46 Pro Ala Pro Gly Ser Thr Ala Pro Pro
 47 20 25
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 20
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Synthesizable activating sequence, shown in Fig. 1
 58 <400> SEQUENCE: 3
 59 ggtgcatcga tgcagggggg 20
 62 <210> SEQ ID NO: 4
 63 <211> LENGTH: 10
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Leishmani major
 67 <400> SEQUENCE: 4
 69 Glu Ala Glu Glu Ala Ala Arg Leu Gln Ala

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/502,085B

DATE: 04/19/2006
TIME: 12:39:41

Input Set : A:\updated sequence listing.txt
Output Set: N:\CRF4\04192006\J502085B.raw

70 1 5 10
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 25
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: MUC1 repeat consensus sequence
81 <400> SEQUENCE: 5
83 Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala Gln Thr Ala His Gly Val
84 1 5 10 15
87 Thr Ser Ala Pro Asp Glu Thr Ser Arg
88 20 25
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 12
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: MUC1 fragment
99 <400> SEQUENCE: 6
101 Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr
102 1 5 10
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 9
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: MUC1 fragment
113 <400> SEQUENCE: 7
115 Thr Leu Ala Pro Ala Thr Glu Pro Ala
116 1 5
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: MUC1 fragment
127 <400> SEQUENCE: 8
129 Ala Leu Gly Ser Thr Ala Pro Pro Val
130 1 5
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 9
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: MUC1 fragment
141 <400> SEQUENCE: 9
143 Phe Leu Ser Phe His Ile Ser Asn Leu
144 1 5
147 <210> SEQ ID NO: 10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/502,085B

DATE: 04/19/2006
TIME: 12:39:41

Input Set : A:\updated sequence listing.txt
Output Set: N:\CRF4\04192006\J502085B.raw

148 <211> LENGTH: 20
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: MUC1 repeat
155 <400> SEQUENCE: 10
157 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
158 1 5 10 15
161 Pro Pro Ala His
162 20
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 28
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthesized peptide shown in Fig. 17 as intermediate
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (27)..(27)
177 <223> OTHER INFORMATION: Lys is modified by a palmitoyl group
179 <400> SEQUENCE: 11
181 Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Pro Asp Thr
182 1 5 10 15
185 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Lys Gly
186 20 25
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 12
191 <212> TYPE: PRT
192 <213> ORGANISM: Plasmodium falciparum
194 <400> SEQUENCE: 12
196 Asn Ala Asn Pro Asn Ala Asn Pro Asn Ala Asn Pro
197 1 5 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/502,085B

DATE: 04/19/2006

TIME: 12:39:42

Input Set : A:\updated sequence listing.txt
Output Set: N:\CRF4\04192006\J502085B.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date